



Safety Data Sheet

CN-9

Wastewater Nutrient Blend

Section 1: Identification

1.1 PRODUCT IDENTIFIER:

Product Name: CN-9
Product Number: Not applicable.
CAS Number: Not applicable.
Synonyms: Calcium Nitrate Solution
Product Description: Wastewater Nutrient Blend

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE MIXTURE AND USES ADVISED AGAINST:

Product Uses: Wastewater Nutrient Blend

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Environmental Business Specialists, LLC
1930 Surgi Drive
Mandeville, LA USA 70448
E-mail: info@ebsbiowizard.com
Website: www.ebsbiowizard.com

EMERGENCY TELEPHONE NUMBER(S):

Emergency Phone Number: (800) 424-9300
(CHEMTREC)
Company Phone Number: (985) 674-0660
Company Fax Number: (985) 674-3483

Section 2: Hazards Identification

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Acute Toxicity, Oral Category 4
Serious Eye Damage/Eye Irritation, Category 1

2.2 LABEL ELEMENTS:

Signal Word: Danger.



Hazard Statements: Harmful if swallowed. Causes serious eye damage.

Precautionary Prevention: Wear protective gloves. Wear eye and face protection.

Precautionary Response: IF INGESTED, give large quantities of water to dilute. Consult a physician promptly. IF ON SKIN OR CLOTHING, immediately flush skin with water. If irritation persists, seek medical attention. IF IN EYES, immediately flush eyes thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

Precautionary Storage: Keep out of extreme temperatures. Avoid strong acids and alkali compounds. Avoid using containers, pipes, and fittings made of the following: Brass, Zinc, Copper and Aluminum.

Precautionary Disposal: Disposal is subject to federal, state, and local regulations.

2.3 OTHER HAZARDS:

Other Hazards That Do Not Result in Classification: Not applicable.

Section 3: Composition/Information on Ingredients

Component	% by Wt.
Nitric acid, calcium salt	>=45 - <50
Nitric acid, ammonium salt	>=3 - <5

Section 4: First Aid Measures

4.1 DESCRIPTION OF FIRST AID MEASURES:

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.

Inhalation: Avoid inhalation of vapor, spray or mist. If inhaled, remove to fresh air. Get medical attention immediately. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

Ingestion: Give one to two glasses of water and consult a physician promptly.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Potential Acute Health Effects

Eye Contact: Causes serious eye damage.

Skin Contact: No known significant effects or critical hazards.

Inhalation: Vapor may be irritating to eyes and respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Over-Exposure Signs/Symptoms

Eye Contact: Adverse symptoms may include the following: pain or irritation, watering, redness.

Skin Contact: No specific data.

Inhalation: No specific data.

Ingestion: Adverse symptoms may include the following: stomach pains. May cause burns to mouth, throat, and stomach.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically. Contact poison control center immediately if large quantities have been ingested.

Specific Treatments: No specific treatment.

Section 5: Fire Fighting Measures

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: No special requirements.

Unsuitable Extinguishing Media: None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Hazards from the Substance or Mixture: No hazards exist.

Hazardous Combustion Products: Under high heat, may give off ammonia and NOx fumes.

5.3 ADVICE FOR FIREFIGHTERS:

Special Precautions for Firefighters: In event of fire, wear NIOSH approved self-contained breathing apparatus. Use water spray to keep containers cool.

Special Protective Equipment for Firefighters: NIOSH approved self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Section 6: Accidental Release Measure

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For Non-Emergency Personnel: Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed.

For Emergency Responders: Refer to section 5.3 for specialized equipment.

6.2 ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Small Spills: Mop or pump small spills into appropriate containers. Be aware spills can create slippery conditions.

Large Spills: Stop spill at source, dike and transfer material into appropriate containers for reclamation or disposal.

Accidental: In case of accident or road spill, notify CHEMTREC (800-424-9300).

Section 7: Handling and Storage

7.1 PRECAUTIONS FOR SAFE HANDLING:

Protective Measures: Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing mist. Keep in original container or an approved alternative made from compatible material (see Sec. 10).

Advice on General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands and face before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store in a segregated and approved area. Store away from incompatible materials, (see Section 10), food and drink. Do not store in unlabeled containers. Use appropriate containment and avoid environmental contaminations.

7.3 SPECIFIC END USE(S):

Recommendations: Not available.

Industrial Sector Specific Solutions: Not available.

Section 8: Exposure Controls/Personal Protection

8.1 CONTROL PARAMETERS:

Occupational Exposure Limits: Minimize exposure in accordance with good hygiene practice.

8.2 EXPOSURE CONTROLS:

Appropriate Engineering Controls: None known.

Personal Protective Equipment: Safety glasses or protective goggles are recommended.



Eye/Face Protection: Safety glasses or goggles are recommended.

Hand Protection: Rubber coated gloves recommended if prolonged or repeated exposure.

Skin/Body Protection: Rubber coated clothing recommended if prolonged or repeated exposure.

Respiratory Protection: Avoid breathing mist if any should form.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: Clear.
Odor: Odorless.
Odor Threshold: Not available.
pH (typical): 5 - 7
Melting Point/Freezing Point: 4°F - 5°F.
Boiling Point: > 239°F
Flash Point: Not available.
Evaporation Rate: Not available.
Flammable Limits: Not available.
Burning Time: Not available.
Burning Rate: Not available.

Upper/Lower Flammability/Explosive Limits: Not available.
Vapor Pressure: 23 mm Hg @75°F (23.9°C)
Vapor Density: Not available.
Density (g/cm³): 1.4
Solubility (ies): Dispersible in water.
Partition Coefficient, n- octanol/water: Not available
Auto-Ignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.
Specific Gravity (@ 60°F): Not available.

Section 10: Stability and Reactivity

Reactivity: No specific reactivity data available for product or product ingredients.
Chemical Stability: Stable during normal use and storage.
Possibility of hazardous reactions: Will not occur.
Conditions to Avoid: Avoid contamination by any source including metals, dust and organic materials.
Incompatible materials: Alkalis, combustible materials, reducing materials, organic materials, acids
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicology Information

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute Toxicity:

Product/Ingredient	Result	Species	Dose	Exposure
Nitric acid, calcium salt	LD50 Oral	Rat	500 mg/kg	N/A
Nitric acid, ammonium salt	LD50 Oral	Rat	2,950 mg/kg	N/A
	LD50 Dermal	Rat	> 5,000 mg/kg	N/A

Irritation/Corrosion:

Product/Ingredient Name	Result	Species	Dose	Exposure
Nitric acid, calcium salt	Eyes - Irritant	Rabbit	N/A	24 - 72 hr
Nitric acid, ammonium salt	Eyes - Irritant	Rabbit	N/A	N/A

Skin Irritation/Corrosion: Not available.
Respiratory or Skin Sensitizer: Not available.
Germ Mutagenicity: Not available.
Carcinogenicity: Not available.
Reproductive Toxicity: Not available.
Teratogenicity: Not available.
Specific Target Organ Toxicity (Single Exposure): Not available.
Specific Target Organ Toxicity (Repeated Exposure): Not available.
Aspiration: Not available.
Likely Routes of Exposure: Routes of entry include oral, dermal, and inhalation.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS: CONT'D

Potential Acute Health Effects

Inhalation: Vapor may be irritating to eyes and respiratory system.

Ingestion: May lead to stomach pains. May cause burns to mouth, throat, and stomach.

Skin Contact: No known significant effects or critical hazards.

Eye Contact: Causes serious eye damage.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Inhalation: No specific data.

Ingestion: Adverse symptoms may include stomach pains.

Skin Contact: No specific data.

Eye Contact: Adverse symptoms may include pain, irritation, watering, or redness.

Delayed and Immediate Effects and Chronic Effects From Short and Long Term Exposure

Short term Exposure: Not available.

Long Term Exposure: Not available.

Potential Chronic Health Effects: Not available.

Section 12: Ecological Information

Toxicity:

Product/Ingredient	Result	Species	Dose	Exposure
Nitric acid, calcium salt	LC50	Fish - Labeo boga	1,378 mg/l	96 h
	LC50	Fish - Lepomis macrochirus	2,400 mg/l	4 d
	LC50	Aquatic invertebrates - Daphnia	490 mg/l	48 h
	EC50	Aquatic plant - Heterosigma akashiwo	1,700 mg/l	10 d
Nitric acid, ammonium salt	LC50	Fish - Labeo boga	447 mg/l	48 h
	EC50	Aquatic	490 mg/l	48 h

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Results of PBT and vPvB Assessment: Not available.

Other Adverse Effects: No known significant effects or critical hazards.

Section 13: Disposal Considerations

13.1 PRODUCT

Methods of Disposal: Disposal subject to Federal, State, and Local regulations. Users of this product should review their operations in terms of applicable Federal, State, and Local laws and regulations, then consult with the appropriate regulatory agencies before discharging or disposing of waste material.

13.2 PACKAGING

Methods of Disposal: Rinse thoroughly and dispose according to local, state, and federal regulations.

Section 14: Transportation Information

US DOT/CANADA/ICAO/IATA/IMO

Proper Shipping Name:

N.O.S. Hazard Class: Not applicable.

Section 15: Regulatory Information

TSCA: Not listed.

SARA, Title III Hazard Class: The following components of this product are subject to reporting under SARA.

Component	CAS#	% by Wt.
Nitric acid, calcium salt	10124-37-5	45 - 50%
Nitric acid, ammonium salt	6484-52-2	3 - 5%

State of California, Proposition 65: This product contains a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm

Section 16: Other Information

NFPA 704: National Fire Protection Association

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard,
3 = severe hazard, 4 = extreme hazard



Issue Date: 4/11/2017

Expiration Date: 4/11/2024

Disclaimer: This SDS was prepared in accordance with ANSI guidelines based on available information. We provide this data sheet as a service to our customers and, in the event of an accident, to regulatory and enforcement agencies. We believe the information to be reliable. EBS provides no express or implied warranties as to the accuracy or use of this information.